

Patent claims

1. Gas regulating fitting for a gas fire or the like with a thermoelectric flame
5 failure device valve (17) and a main valve (35) which serve jointly both as a
flame failure device and as a means of dividing the flow of gas into a flow of
gas for a main burner (33) and a pilot burner (32), with a control unit (8) po-
sitioned downstream of the main valve (35) for the flow of gas flowing to the
main burner (33) and with additional, secondary functional elements, **char-**
10 **acterised in that** the gas regulating fitting has a sensor (34) by means of
which the operating condition of the main burner (33) can be ascertained,
whereby the sensor (34) is connected to the thermoelectric flame failure
device valve(17) in such a way that on a change in the operating condition
of the main burner (33) from "On" to "Off", a signal emitted by the sensor
15 (34) causes the thermoelectric flame failure device valve(17) to assume its
closed position.
2. Gas regulating fitting according to patent claim 1, **characterised in that** a
time delay element is positioned between the sensor (34) and the thermoe-
20 lectric flame failure device valve(17).
3. Gas regulating fitting according to patent claim 1 or 2, **characterised in**
that the sensor (34) consists of a flow sensor which ascertains the operat-
ing condition of the main burner (33) via the flow of gas flowing to the main
25 burner (33).
4. Gas regulating fitting according to patent claim 1 or 2, **characterised in**
that the sensor (34) consists of a temperature sensor which ascertains the
operating condition of the main burner (33) via the temperature at the main
30 burner (33).

Explanation of Reference Numerals

1	Housing	29	Bearing
2	Gas inlet	30	Round ring
3	Pilot gas outlet	31	Drive unit
4	Main gas outlet	32	Pilot burner
5	Control unit	33	Main burner
6	Remote control unit	34	Temperature sensor
7	Start-up system	35	Main valve
8	Control unit	36	Valve head
9	Bearing	37	ignition electrode
10	Operating rod		
11	Electromagnet		
12	Round ring		
13	Return spring		
14	Counter bearing		
15	Partition		
16	Aperture		
17	Flame failure device valve		
18	Flame failure device magnet		
19	Anchor		
20	Valve rod		
21	Valve head		
22	Thermoelement		
23	Return spring		
24	Switch		
25	Valve		
26	Valve		
27	Aperture		
28	Plunger		

5. Gas regulating fitting according to patent claim 1 or 2, **characterised in that** the sensor (34) is connected to the control unit (8) in order to ascertain the operating condition of the main burner (33).

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